Dropsonde Scientist

Flight ID _	15/0 L Mission ID 20170825 H1											
Dropsonde	Scientists Sellwood											
AVAPS OF	Scientists Sellwood perators Todd R											
patterns for illustrated o problems, e sole HRD	ad Project Scientist (LPS) on the P3 is responsible for determining the distribution of dropwindsonde releases. Predetermined desired data collection patterns are on the flight patterns. However, these patterns are often altered because of clearance to. Operational procedures are contained in the operator's manual. On the G-IV the person is designated the LPS. The following list contains more general ary procedures to be followed. (Check off or initial.)											
Preflight												
1.	Determine the status of the AVAPS and HAPS or workstation. Report results to the LPS.											
2.	Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.											
<u>i</u> _3.	Modify the flight pattern or drop locations if requested by AOC to accommodate changes in storm location or closeness to land.											
4.	Complete the appropriate preflight set-up and checklists.											
In-Flight												
1.	Operate the system as specified in the operator's manual.											
2.	Ensure the AOC flight director is aware of upcoming drops.											
3.	Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal. Recommend if a backup dropsonde should be launched in case of failure.											
4.	Report the transmission of each drop and fill in the Dropwindsonde Scientist Log.											
Post flight												
1.	Complete Dropwindsonde Scientist Log.											
2.	Download all raw and processed AVAPS files to thumbdrive											
2.	Brief the LPS on equipment status and turn in completed forms and thumbdrive.											
4.	Debrief at the base of operations.											
5.	Determine the status of future missions and notify MGOC as to where you can be contacted.											

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm/	Harvey	Dropwindsonde Scientists Sellowel								Page of	<u> </u>		
Flight	10/609/A	Flight Director Brian							Т	akeoff from Lakeland at 140	Q UTC	!	
Missio	n 12070825 H1	AVAPS O	perators	Toch	d R				Re	ecovery at Lokelan at SYS	V utc	:	
Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)		BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #		
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